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OF
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1927

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NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON
1928

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INTRODUCTION

This Bibliography of Aeronautics for 1927 covers the aeronautical literature published from January 1 to December 31, 1927. The first Bibliography of Aeronautics was published by the Smithsonian Institution as Volume 55 of the Smithsonian Miscellaneous Collections and covered the material published prior to June 30, 1909. Supplementary volumes of the Bibliography of Aeronautics for the subsequent years have been published by the National Advisory Committee for Aeronautics. The last preceding volume was for the calendar year 1926.

As in the previous volumes, citations of the publications of all nations are included in the languages in which these publications originally appeared. The arrangement is in dictionary form with author and subject entry, and one alphabetical arrangement. Detail in the matter of subject reference has been omitted on account of the cost of presentation, but an attempt has been made to give sufficient cross reference for research in special lines.

Joseph S. Ames,
Chairman, National Advisory Committee for Aeronautics.

October 18, 1928.

ABBREVIATIONS

Aer. Eng. Suppl. The Aeroplane	The Aeroplane—. . . Aeronautical Engineering Supplement to The Aeroplane, London.
Amer. Mach	American Machinist, New York.
Atti Assoc. Ital. Aerotechn	Atti dell' Associazione Italiana di Aerotechnica, Roma.
Aut. Eng	Automotive Engineering, New York.
Aut. Mot. Flugw	Automobil-Motorrad-Flugwesen, Berlin.
Ann. Soc. Met. France	Annuaire, Société Météorologique de France, Paris.
Automobile-Automotive Ind	The Automobile and Automotive Industries, New York.
Aviat. Aer. Eng	Aviation and Aeronautical Engineering, New York.
Bull. Aero-Club Suisse	The Bulletin, Aero Club Suisse, Berne.
Bull. Soc. Enc. Ind. Nat	Bulletin de la Société d'Encouragement pour l'Industrie Nationale, Paris.
Deutsche Luftf. Zeitschr	Deutsche Luftfahrer Zeitschrift, Berlin.
Electr. Railw. Jour	Electric Railway Journal, New York.
Journ. Amer. Soc. Mech. Eng	Journal of the American Society of Mechanical Engineers, New York.
Journ. Inst. Electrical Engineers	Journal of the Institute of Electrical Engineers, New York.
Journ. Frankl. Inst	Journal of the Franklin Institute, Philadelphia.
Journ. Mil. Serv. Inst	Journal of the Military Service Institution, Governors Island, New York.
Journ. Roy. Aer. Soc	Journal of the Royal Aeronautical Society, London.
Journ. Roy. Soc. Arts	Journal of the Royal Society of Arts, London.
Journ. Soc. Automotive Engineers	Journal of the Society of Automotive Engineers, New York.
Journ. United States Art	Journal of the United States Artillery, Fortress Monroe, Va.
Nat. Geogr. Mag	National Geographic Magazine, Washington, D. C.
Pop. Mech	Popular Mechanics, Chicago.
Pop. Sci. Monthly	Popular Science Monthly, New York.
Proc. Amer. Inst. Electr. Eng	Proceedings of the American Society of Electrical Engineers, New York.
Proc. Amer. Phil. Soc	Proceedings of the American Philosophical Society, Philadelphia.
Proc. U. S. Nav. Inst	Proceedings of the United States Naval Institute, Annapolis, Md.

Quart. Journ. Roy. Met. Soc	Quarterly Journal of the Royal Meteorological Society, London.
Rend. Instituto Sper. Aer	Rendiconte dell' Instituto Sperimentale Aeronautico, Roma.
Rend. Tecn. Dir. Sup. Geno. Costr. Aeron.	Commissariato dell' Aeronautica. Intendenza Generale. Rendiconti Tecnici della Direzione Superiore del Genio e delle Costruzioni Aeronautiche. Roma.
Rév. Gén. Scien	Révue Générale Scientifique, Paris.
Riv. Ital. Aeron	Rivista Italiana Aeronautica, Roma.
Sat. Even. Post	Saturday Evening Post, Philadelphia, Pa.
Scient. Amer	Scientific American, New York.
Techn. Berichte	Technische Berichte, Charlottenburg.
Tech. Rept. Advis. Com. Aeronautics	Technical Report of the Advisory Committee on Aeronautics, London.
Zeitschr. Flugt. Motorluftsch	Zeitschrift fur Flugtechnik und Motorluftschifffahrt, München.
Zeit. Österr. Ing. Arch. Ver	Zeitschrift des Oesterreichischen Ingenieuer- und Architekten - Vereines, 0000.
Zeitschr. Ver. deutschr Ing	Zeitschrift des Vereines deutscher Ingeneure, Berlin.

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By PAUL BROCKETT

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By Paul Brockett

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NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1930

For sale by the Superintendent of Documents, Washington, D. C. - - - - - - Price 50 cents

INTRODUCTION

This Bibliography of Aeronautics for 1928 covers the aeronautical literature published from January 1 to December 31, 1928. The first Bibliography of Aeronautics was published by the Smithsonian Institution as volume 55 of the Smithsonian Miscellaneous Collections and covered the material published prior to June 30, 1909. Supplementary volumes of the Bibliography of Aeronautics for the subsequent years have been published by the National Advisory Committee for Aeronautics. The last preceding volume was for the calendar year 1927.

As in the previous volumes, citations of the publications of all nations are included in the languages in which these publications originally appeared. The arrangement is in dictionary form with author and subject entry, and one alphabetical arrangement. Detail in the matter of subject reference has been omitted on account of the cost of presentation, but an attempt has been made to give sufficient cross reference for research in special lines.

JOSEPH S. AMES,
Chairman National Advisory Committee for Aeronautics.

DECEMBER 16, 1929.

ABBREVIATIONS

Aer. Eng. Suppl. The Aeroplane	The Aeroplane— . . . Aeronautical Engineering Supplement to The Aeroplane, London.
Aeron. Journ	Aeronautical Journal, London.
Aeronautics. Techn. Rep. Aer. Res. Com.	Aeronautics. Technical Reports of the Aeronautical Research Committee, London.
Amer. Mach	American Machinist, New York.
Amer. Gas. Eng. Journ	American Gas Engineering Journal, New York.
Amer. Journ. Sociology	American Journal of Sociology, Chicago.
Atti Assoc. Ital. Aerotecn	Atti dell'Associazione Italiana di Aerotechnica, Roma.
Aut. Eng	Automotive Engineering, New York.
Aut. Mot. Flugw	Automobil-Motorrad-Flugwesen, Berlin.
Ann. Soc. Mét. France	Annuaire, Société Météorologique de France, Paris.
Automotive Ind	Automotive Industries, New York.
Aviat. Aer. Eng	Aviation and Aeronautical Engineering, New York.
Bull. Aero-Club Suisse	Bulletin, Aero Club Suisse, Berne.
Bull. Exper. Depart. Airplane Eng. Div.	The Bulletin of the Experimental Department, Airplane Engineering Division, U. S. A., Dayton, Ohio.
Bull. Soc. Enc. Ind. Nat	Bulletin de la Société d'Encouragement pour l'Industrie Nationale, Paris.
C. R. Acad. Sci	Compte Rendus Hebdomadaires des séances de l'académie des Sciences, Paris.
Deutsche Luftf. Zeitschr	Deutsche Luftfahrer Zeitschrift, Berlin.
Electr. Railw. Jour	Electric Railway Journal, New York.
Jour. Amer. Soc. Mech. Eng	Journal of the American Society of Mechanical Engineers, New York.
Journ. Inst. Electrical Engineers	Journal of the Institute of Electrical Engineers, New York.
Journ. Frankl. Inst	Journal of the Franklin Institute, Philadelphia.
Journ. Mil. Serv. Inst	Journal of the Military Service Institution, Governors Island, New York.
Journ. Roy. Aer. Soc	Journal of the Royal Aeronautical Society, London.
Journ. Roy. Soc. Arts	Journal of the Royal Society of Arts, London.
Journ. Soc. Automotive Engineers	Journal of the Society of Automotive Engineers, New York.
Journ. United States Art	Journal of the United States Artillery, Fortress Monroe, Va.
Mech. Eng	Mechanical Engineering, New York.

Nat. Geogr. Mag	National Geographic Magazine, Washington, D. C.
Pop. Mech	Popular Mechanics, Chicago.
Pop. Sci. Monthly	Popular Science Monthly, New York.
Proc. Amer. Inst. Electr. Eng	Proceedings of the American Institute of Electrical Engineers, New York.
Proc. Amer. Philos. Soc.	Proceedings of the American Philosophical Society, Philadelphia, Pa.
Proc. U. S. Nav. Inst	Proceedings of the United States Naval Institute, Annapolis, Md.
Quart. Journ. Roy. Met. Soc	Quarterly Journal of the Royal Meteorological Society, London.
Rend. Istituto Sper. Aer	Rendiconto dell' Istituto Sperimentale Aeronautico, Roma.
Rend. Tecn. Dir. Sup. Genio Costr. Aeron.	Commissariato dell' Aeronautica. Intendenza Generale. Rendiconti Tecnici della Direzione Superiore del Genio e delle Costruzioni Aeronautiche. Roma.
Rév. Gén. Scien	Révue Générale Scientifique, Paris.
Riv. Aeron	Rivista Aeronautica, Roma.
Sat. Even. Post	Saturday Evening Post, Philadelphia, Pa.
Scient. Amer	Scientific American, New York.
Techn. Berichte	Technische Berichte, Charlottenburg.
Zeitschr. Flugt. Motorluftsch	Zeitschrift für Flugtechnik und Motorluftschifffahrt, München.
Zeit. Österr. Ing. Arch. Ver	Zeitschrift des Oesterreichischen Ingenieuer- und Architekten- Vereines, Wien.
Zeitschr. Ver. deutscher Ing	Zetischrift des Vereines deutscher Ingenieure, Berlin.

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NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1930

For sale by the Superintendent of Documents, Washington, D. C. - - - - Price 35 cents

INTRODUCTION

This Bibliography of Aeronautics for 1929 covers the aeronautical literature published from January 1 to December 31, 1929. The first Bibliography of Aeronautics was published by the Smithsonian Institution as Volume 55 of the Smithsonian Miscellaneous Collections and covered the material published prior to June 30, 1909. Supplementary volumes of the Bibliography of Aeronautics for the subsequent years have been published by the National Advisory Committee for Aeronautics. The last preceding volume was for the calendar year 1928.

As in the previous volumes, citations of the publications of all nations are included in the languages in which these publications originally appeared. The arrangement is in dictionary form with author and subject entry, and one alphabetical arrangement. Detail in the matter of subject reference has been omitted on account of the cost of presentation, but an attempt has been made to give sufficient cross reference for research in special lines.

Joseph S. Ames,
Chairman, National Advisory Committee for Aeronautics.

December 30, 1930.

ABBREVIATIONS

Aer. Eng. Suppl. The Aeroplane	The Aeroplane— . . . Aeronautical Engineering Supplement to The Aeroplane, London.
Aer. Res. Comm., Rep. Mem	Aeronautical Research Committee, Reports and Memoranda, London.
Aeron. Journ	Aeronautical Journal, London.
Aeronautics, Techn. Rep. Aer. Res. Comm.	Aeronautics. Technical Report of the Aeronautical Research Committee, London.
Amer. Mach	American Machinist, New York.
Amer. Gas. Eng. Journ	American Gas Engineering Journal, New York.
Ann. Soc. Mét. France	Annuaire, Société Météorologique de France, Paris.
Atti. Assoc. Ital. Aerotecn	Atti dell'Associazione Italiana di Aerotechnica, Roma.
Aut. Eng	Automotive Engineering, New York.
Aut. Mot. Flugw	Automobil-Motorrad-Flugwesen, Berlin.
Automotive Ind	Automotive Industries, New York.
Aviat. Aer. Eng	Aviation and Aeronautical Engineering, New York.
Bull. Aero-Club Suisse	Bulletin, Aero Club Suisse, Berne.
Bull. Exper. Depart. Airplane Eng. Div.	The Bulletin of the Experimental Department, Airplane Engineering Division, U. S. A., Dayton, Ohio.
Bull. Soc. Enc. Ind. Nat	Bulletin de la Société d'Encouragement pour l'Industrie Nationale, Paris.
Deutsche Luftf. Zeitschr	Deutsche Luftfahrer Zeitschrift, Berlin.
Electr. Railw. Jour	Electric Railway Journal, New York.
Ind. Eng. Chem	Industrial and Engineering Chemistry, Washington, D. C.
Jahrb. 1929, Deutsch. Versuchsanstalt für Luftfahrt, E. V., Berlin-Adlershof.	Jarbuch 1929 der Deutschen Versuchsanstalt für Luftfahrt, E. V., Berlin-Adlershof, München.
Journ. Amer. Inst. Electr. Eng	Journal of the American Institute of Electrical Engineers, New York.
Journ. Amer. Soc. Mech. Eng	Journal of the American Society of Mechanical Engineers, New York.
Journ. Frankl. Inst	Journal of the Franklin Institute, Philadelphia.
Journ. Mil. Serv. Inst	Journal of the Military Service Institution, Governors Island, New York.
Journ. Roy. Aer. Soc	Journal of the Royal Aeronautical Society, London.
Journ. Roy. Soc. Arts	Journal of the Royal Society of Arts, London.
Journ. Soc. Automotive Engineers	Journal of the Society of Automotive Engineers, New York.
Journ. United States Art	Journal of the United States Artillery, Fortress Monroe, Va.
Mech. Eng	Mechanical Engineering, New York.
Nat. Geog. Mag	National Geographic Magazine, Washington, D. C.
Pop. Mech	Popular Mechanics, Chicago.
Pop. Sci. Monthly	Popular Science Monthly, New York.
Proc. Amer. Inst. Electr. Eng	Proceedings of the American Society of Electrical Engineers, New York.

Proc. U. S. Nav. Inst	Proceedings of the United States Naval Institute, Annapolis, Md.
Quart. Journ. Roy. Met. Soc	Quarterly Journal of the Royal Meteorological Society, London.
Rend. Istituto Sper. Aer	Rendiconto dell'Istituto Sperimentale Aeronautico, Roma.
Rend. Tecn. Dir. Sup. Genio Costr. Aeron.	Commissariato dell'Aeronautica. Intendenza Generale. Rendiconti Tecnici della Direzione Superiore del Genio e delle Costruzioni Aeronautiche. Roma.
Rév. Gén. Scien	Révue Générale Scientifique, Paris.
Riv. Ital. Aeron	Rivista Italiana Aeronautica, Roma.
Sat. Even. Post	Saturday Evening Post, Philadelphia, Pa.
Scient. Amer	Scientific American, New York.
Techn. Berichte	Technische Berichte, Charlottenburg.
Zeitschr. Angew. Math. Mech	Zeitschrift fuer Angewandte Mathematik und Mechanik, Berlin.
Zeitschr. Flugt. Motorluftsch	Zeitschrift für Flugtechnik und Motorluftschifffahrt, München.
Zeitschr. Österr. Ing. Arch. Ver	Zeitschrift des Oesterreichischen Ingenieuer- und Architekten- Vereines, Wien.
Zeitschr. Ver. deutscher Ing	Zetischrift des Vereines deutscher Ingenieure, Berlin.

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OF
AERONAUTICS

1930

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1932

For sale by the Superintendent of Documents, Washington, D. C. - - - Price 50 cents Paper cover

INTRODUCTION

This Bibliography of Aeronautics for 1930 covers the aeronautical literature published from January 1 to December 31, 1930. The first Bibliography of Aeronautics was published by the Smithsonian Institution as volume 55 of the Smithsonian Miscellaneous Collections and covered the material published prior to June 30, 1909. Supplementary volumes of the Bibliography of Aeronautics for the subsequent years have been published by the National Advisory Committee for Aeronautics. The last preceding volume was for the calendar year 1929.

As in the previous volumes, citations of the publications of all nations are included in the languages in which these publications originally appeared. The arrangement is in dictionary form with author and subject entry and one alphabetical arrangement. Detail in the matter of subject reference has been omitted on account of the cost of presentation, but an attempt has been made to give sufficient cross reference for research in special lines.

Joseph S. Ames,
Chairman, National Advisory Committee for Aeronautics.

February 8, 1932.

ABBREVIATIONS

Aer. Eng. Suppl. The Aeroplane	The Aeroplane— . . . Aeronautical Engineering Supplement to The Aeroplane, London.
Aer. Res. Comm., Rep. Mem	Aeronautical Research Committee, Reports and Memoranda, London.
Aeron. Journ	Aeronautical Journal, London.
Aeronautics, Techn. Rep. Aer. Res. Comm.	Aeronautics. Technical Report of the Aeronautical Research Committee, London.
Amer. Mach	American Machinist, New York.
Amer. Gas. Eng. Journ	American Gas Engineering Journal, New York.
Ann. Soc. Mét. France	Annuaire, Société Météorologique de France, Paris.
Atti Assoc. Ital. Aerotecn	Atti dell' Associazione Italiana di Aerotechnica, Roma.
Aut. Eng	Automotive Engineering, New York.
Aut. Mot. Flugw	Automobil-Motorrad-Flugwesen, Berlin.
Automotive Ind	Automotive Industries, New York.
Aviat. Aer. Eng	Aviation and Aeronautical Engineering, New York.
Bull. Aero-Club Suisse	Bulletin, Aero Club Suisse, Berne.
Bull. Exper. Depart. Airplane Eng. Div.	The Bulletin of the Experimental Department, Airplane Engineering Division, U. S. A., Dayton, Ohio.
Bull. Soc. Enc. Ind. Nat	Bulletin de la Société d'Encouragement pour l'Industrie Nationale, Paris.
Deutsche Luftf. Zeitschr	Deutsche Luftfahrer Zeitschrift, Berlin.
Electr. Railw. Jour	Electric Railway Journal, New York.
Ind. Eng. Chem	Industrial and Engineering Chemistry, Washington, D. C.
Jahrb. 1929, Deutsch. Versuchsanstalt für Luftfahrt, E. V., Berlin-Adlershof.	Jarbuch 1929 der Deutschen Versuchsanstalt für Luftfahrt, E. V., Berlin-Adlershof, München.
Journ. Amer. Soc. Mech. Eng	Journal of the American Society of Mechanical Engineers, New York.
Journ. Frankl. Inst	Journal of the Franklin Institute, Philadelphia.
Journ. Inst. Amer. Electr. Eng	Journal of the American Institute of Electrical Engineers, New York.
Journ. Mil. Serv. Inst	Journal of the Military Service Institution, Governors Island, New York.
Journ. Roy. Aer. Soc	Journal of the Royal Aeronautical Society, London.
Journ. Roy. Soc. Arts	Journal of the Royal Society of Arts, London.
Journ. Soc. Automotive Engineers	Journal of the Society of Automotive Engineers, New York.
Journ. United States Art	Journal of the United States Artillery, Fortress Monroe, Va.
Mech. Eng	Mechanical Engineering, New York.
Nat. Geog. Mag	National Geographic Magazine, Washington, D. C.
Pop. Mech	Popular Mechanics, Chicago.
Pop. Sci. Monthly	Popular Science Monthly, New York.
Proc. Amer. Inst. Electr. Eng	Proceedings of the American Society of Electrical Engineers, New York.
Pro. Phys.-Math. Soc. Japan	Proceedings of the Physico-Mathematical Society of Japan, Tokyo, Japan.

Proc. U. S. Nav. Inst	Proceedings of the United States Naval Institute, Annapolis, Md.
Quart. Journ. Roy. Met. Soc	Quarterly Journal of the Royal Meteorological Society, London.
Rend. Istituto Sper. Aer	Rendiconto dell' Istituto Sperimentale Aeronautico, Roma.
Rend. Tecn. Dir. Sup. Genio Costr. Aeron.	Commissariato dell' Aeronautica. Intendenza Generale. Rendiconti Tecnici della Direzione Superiore del Genio e delle Costruzioni Aeronautiche. Roma.
Rév. Gén. Scien	Révue Générale Scientifique, Paris.
Riv. Ital. Aeron	Rivista Italiana Aeronautica, Roma.
Sat. Even. Post	Saturday Evening Post, Philadelphia, Pa.
Scient. Amer	Scientific American, New York.
Techn. Berichte	Technische Berichte, Charlottenburg.
Zeitschr. Angew. Math. Mech	Zeitschrift für Angewandte Mathematik und Mechanik, Berlin.
Zeitschr. Flugt. Motorluftsch	Zeitschrift für Flugtechnik und Motorluftschifffahrt, München.
Zeitschr. Österr. Ing. Arch. Ver	Zeitschrift des Österreichischen Ingenieuer- und Architekten-Vereines, Wien.
Zeitschr. Ver. deutscher Ing	Zeitschrift des Vereines deutscher Ingenieure, Berlin.

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